

Figure 1

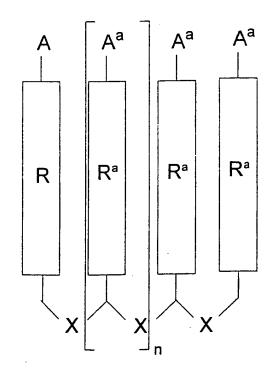


Figure 2



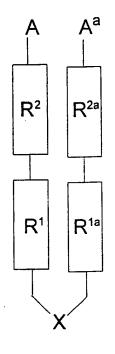


Figure 3

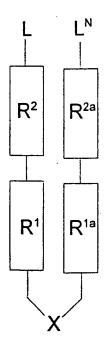


Figure 4



Figure 5 Synthesis of LAC based on anchor 1

Figure 6 Synthesis scheme of LAC based on anchor 2.



Figure 7 Synthesis of LAC based on anchor 3.



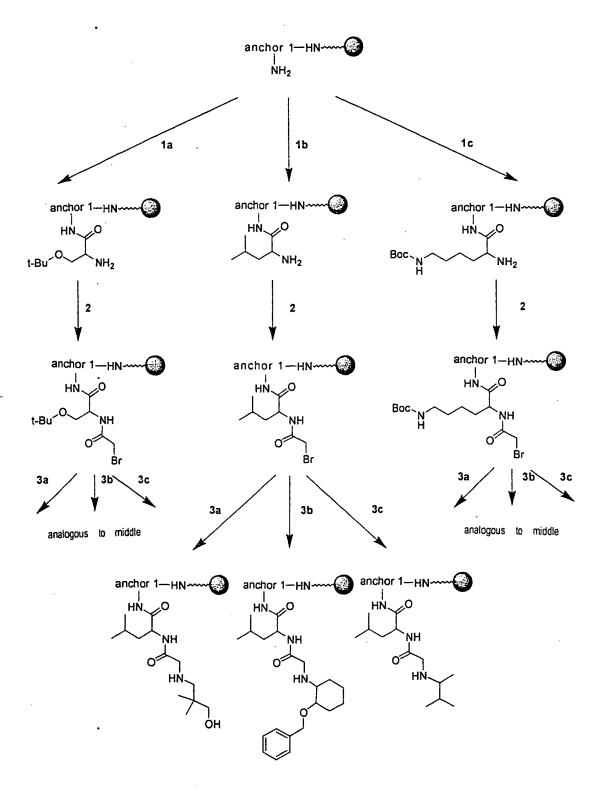


Figure 8 Synthesis scheme for the combinatorial synthesis on anchor 1

$$\begin{array}{c} \text{HO} \longleftarrow \text{O}_{3}^{\text{H}} & \text{2-Cl-Trt-Resin} \\ \text{HO} \longleftarrow \text{O}_{3}^{\text{H}} & \text{2-Cl-Trt-Resin} \\ \text{HO} \longleftarrow \text{O}_{3}^{\text{H}} & \text{2-Cl-Trt-Resin} \\ \text{Pf} = \text{Pf} = \text{O}_{3}^{\text{H}} & \text{2-Cl-Trt-Resin} \\ \text{Pf} = \text{Pf} = \text{Pf} = \text{Pf} & \text{2-Cl-Trt-Resin} \\ \text{Pf} = \text{Pf} \\ \text{Pf} = \text{Pf} =$$

Figure 9 Synthesis scheme for the combinatorial synthesis on anchor 1



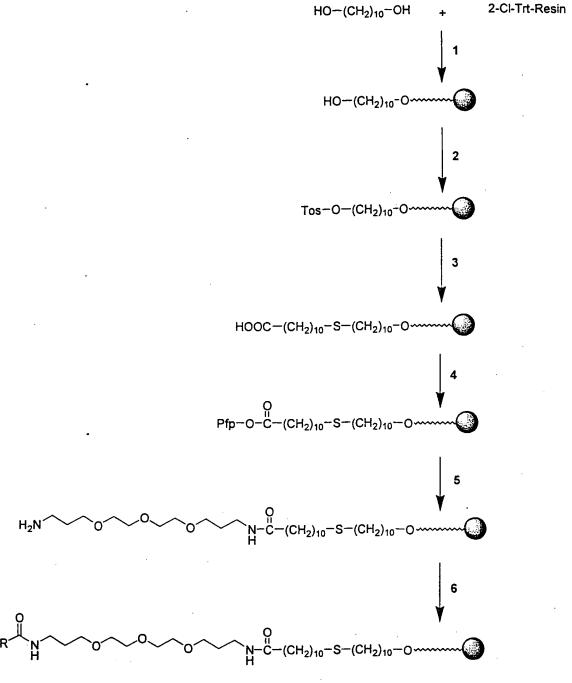


Figure 10 Synthesis scheme for LAC based on anchor 7



Figure 11 Structure of anchor 8 (L = ligand)

Figure 12 Schematic presentation of the synthesis of Fmoc-Std-OH



Figure 13 structure of anchor9; n = 2-5



Figure 14 Synthesis of LAC based on anchor 11



Figure 15 Scheme for the synthesis of anchor 13:





Figure 17 Synthesis of ligand-anchor-conjugates based on anchor 15

c.



Figure 18 Structure of LAC 1



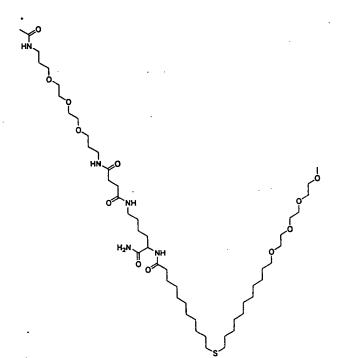


Figure 19



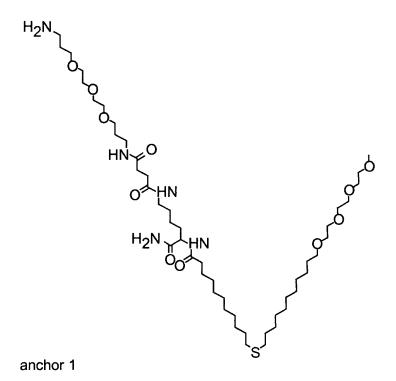


Fig. 20a

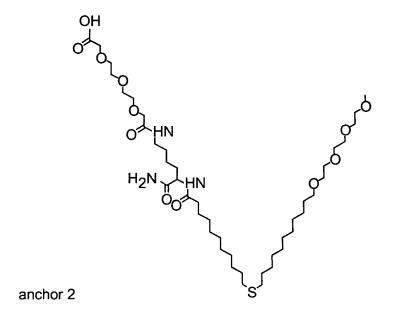


Fig. 20b



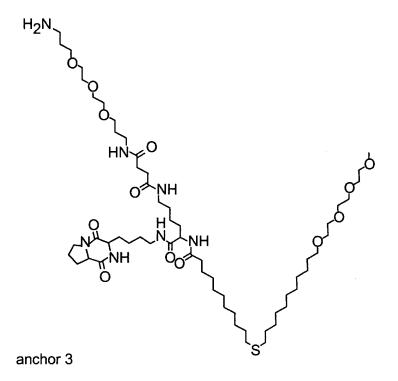


Fig. 20c

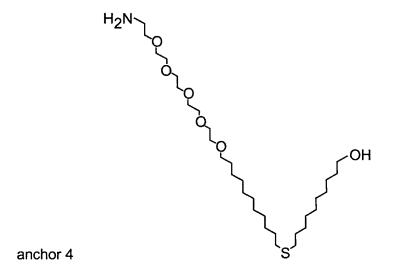


Fig. 20d



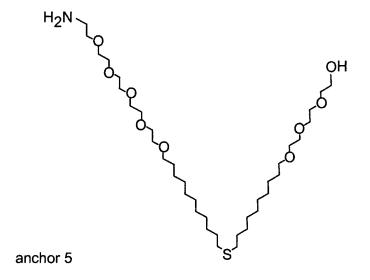


Fig. 20e

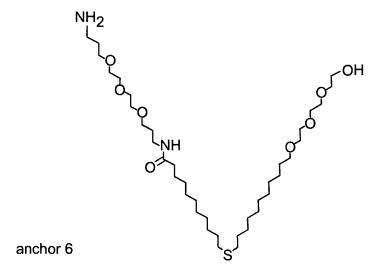


Fig. 20f



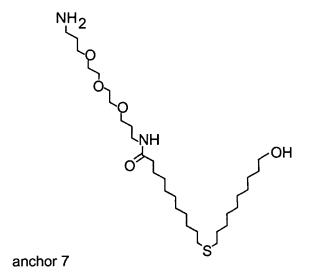


Fig. 20g

Fig. 20h



 H_2N H_2N H_2N

anchor 9-1: n=2, anchor 9-2: n=3, anchor 9-3: n=4, anchor 9-4: n=5:

Fig. 20i

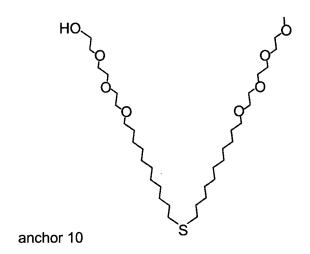


Fig. 20j



Fig. 201



anchor 13

Fig. 20m

Fig. 20o



Fig. 20p

anchor 17
$$\mathbf{Fig.} \ \mathbf{20q}$$

anchor 18

Fig. 20r



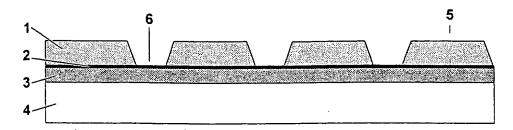


Figure 21

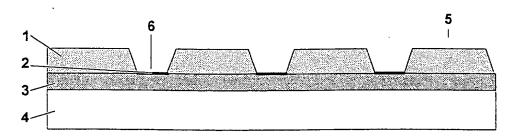


Figure 22

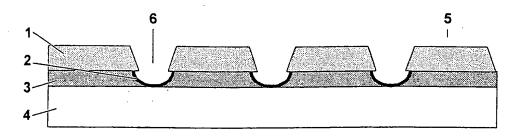


Figure 23



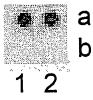


Figure 24

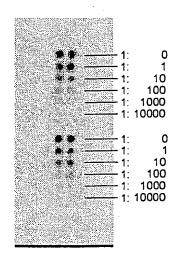


Figure 25



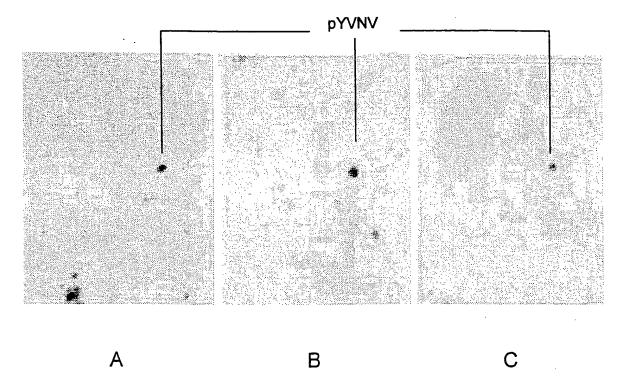


Figure 26

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